

To: Rebecca Bodnar[rebecca.bodnar@ndep.nv.gov]
Cc: David Friedman[dfriedman@ndep.nv.gov]; pcomba@ndep.nv.gov[pcomba@ndep.nv.gov]; Wirtschafter, Joshua[Wirtschafter.Joshua@epa.gov]; Greg Reller[gr@burlesonconsulting.com]; Black, Ned[Black.Ned@epa.gov]; Serda, Sophia[Serda.Sophia@epa.gov]; Doug Carey[douglas.carey@waterboards.ca.gov]; Brown, Anthony R (RM)[anthony.brown@bp.com]
From: Deschambault, Lynda
Sent: Tue 3/21/2017 4:56:37 PM
Subject: FW: Leviathan Mine Spring Treatment Summary Report for March 13 to March 19, 2017
170320 RWQCB Spring Treatment Summary FINAL.pdf

Hello Rebecca,

The emergency early spring water treatment and the monitoring of that process, is similar to the process utilized in 2005, 2006 and 2011. As part of the spring treatment to prevent uncontrolled releases; the Water Board has conducted field sampling of the storage ponds as well as the discharge water prior to release. EPA is receiving weekly reports. The latest report is attached and Table 2 and 3 include:

- the results from the March 10, and 13, 2017 discharge events; and
- results of the March 7, 10, and 14, 2017 untreated pond water samples.

Also, as part of the early response actions, EPA provides ongoing oversight, which includes remote monitoring of water quality field measurements thru two websites:

- The USGS measures flow on and around the site; (<http://waterdata.usgs.gov/ca/nwis/current?type=flow>) and
- the USEPA measures surface water parameters downstream of the site on Aspen and Leviathan Creeks; <https://stormcentral.waterlog.com/public/usepar9>

Both the USGS and USEPA sites can be remotely accessed via internet. In addition, EPA conducts periodic in-field water quality field measurements. EPA visited the site last week March 14, 2017, observing and verifying water quality samples. EPA measured water quality at Ponds 1, 2N, and 3, and at the CUD, and Station 23 in Leviathan Creek. EPA also observed water treatment activities at Pond 3, reviewed the site access conditions, and assessed the conditions of the culvert near station 15. There were no indications or changes in any impacts downstream.

Please know that there are no field crews on site for the winter, site access is very limited, and no additional field work is underway.

Further, at the present high flows in the watershed it is unlikely that there would be any detectable impacts downstream.

EPA will continue to monitor the situation and will let you know of any significant changes.

Please let me know if you have any additional questions, or would like to discuss (415) 947-4183

Best Regards,

Lynda Deschambault

Environmental Scientist

USEPA Region 09

(415) 947-4183

Please be advised I may have limited access to email , therefore please be patient with any communication delays.

From: Rebecca Bodnar [<mailto:rebecca.bodnar@ndep.nv.gov>]

Sent: Monday, March 20, 2017 2:05 PM

To: Deschambault, Lynda <Deschambault.Lynda@epa.gov>

Cc: David Friedman <dfriedman@ndep.nv.gov>; jrcollins@ndep.nv.gov; Paul Comba <pcomba@ndep.nv.gov>

Subject: Leviathan Mine Superfund Site spring flooding event

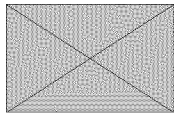
Hello Lynda,

I just reviewed your March 2017 slide presentation regarding the Leviathan Mine Site

and potential flooding. Is EPA conducting or requiring (from the PRP) any additional downstream sampling on Leviathan Creek, Bryant Creek, and/or Carson River for POCs? If so, please provide the test parameters, results, frequency, and locations. If not, I'd like to discuss the situation and if additional sampling to capture downstream flood impacts caused by the Site is warranted.

Thank you,

Rebecca J Bodnar



Rebecca J Bodnar, Supervisor

Superfund Branch

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